GEO Task AR-07-02
Architecture Implementation Pilot

George Percivall
Open Geospatial Consortium
gpercivall@opengeospatial.org

GEO User Interface Committee Meeting,
3 August 2007

GEO Task AR-07-02
GEO Architecture Implementation Pilot

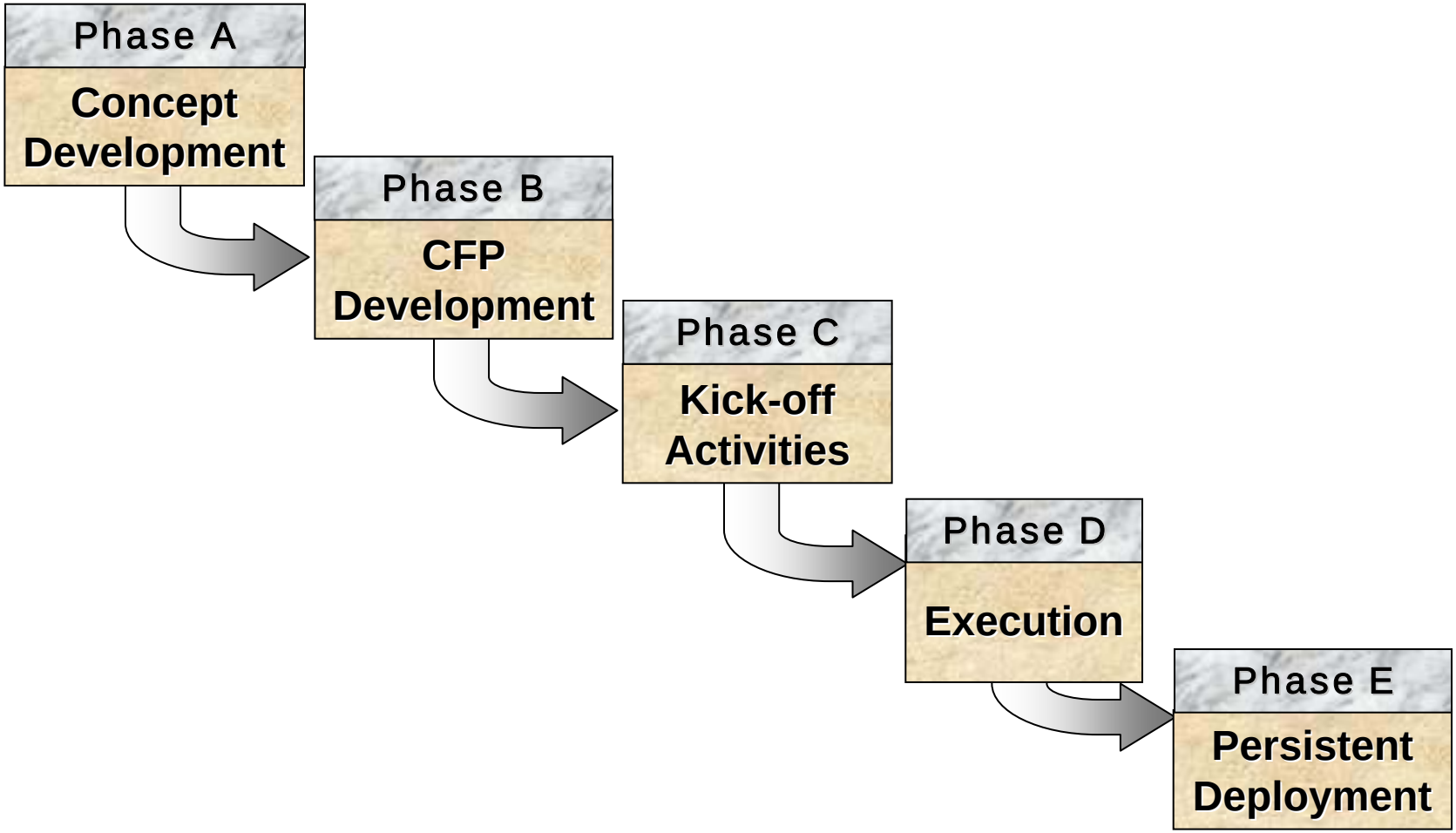
- Evaluate, enhance, and document an operational architecture for GEOSS, using open standards
- Register persistent services that support multiple application domains
- Develop scenarios to exercise discovery and access mechanisms for services and data
- Develop evaluation criteria and candidates for re-usable GEO Web Portal and Clearinghouse
- Record scenarios for video display and exhibits at GEO Plenary and Ministerial, November 2007

www.ogcnetwork.net/AIpilot

GEO Task AR-07-02
Architecture Implementation Pilot

- Lead incorporation of contributed components consistent with the GEOSS Architecture…
- …using a GEOSS Web Portal and a GEOSS Clearinghouse search facility
- …to access services through GEOSS Interoperability Arrangements
- …in support of GEOSS Societal Benefit Areas

AI Pilot Approach

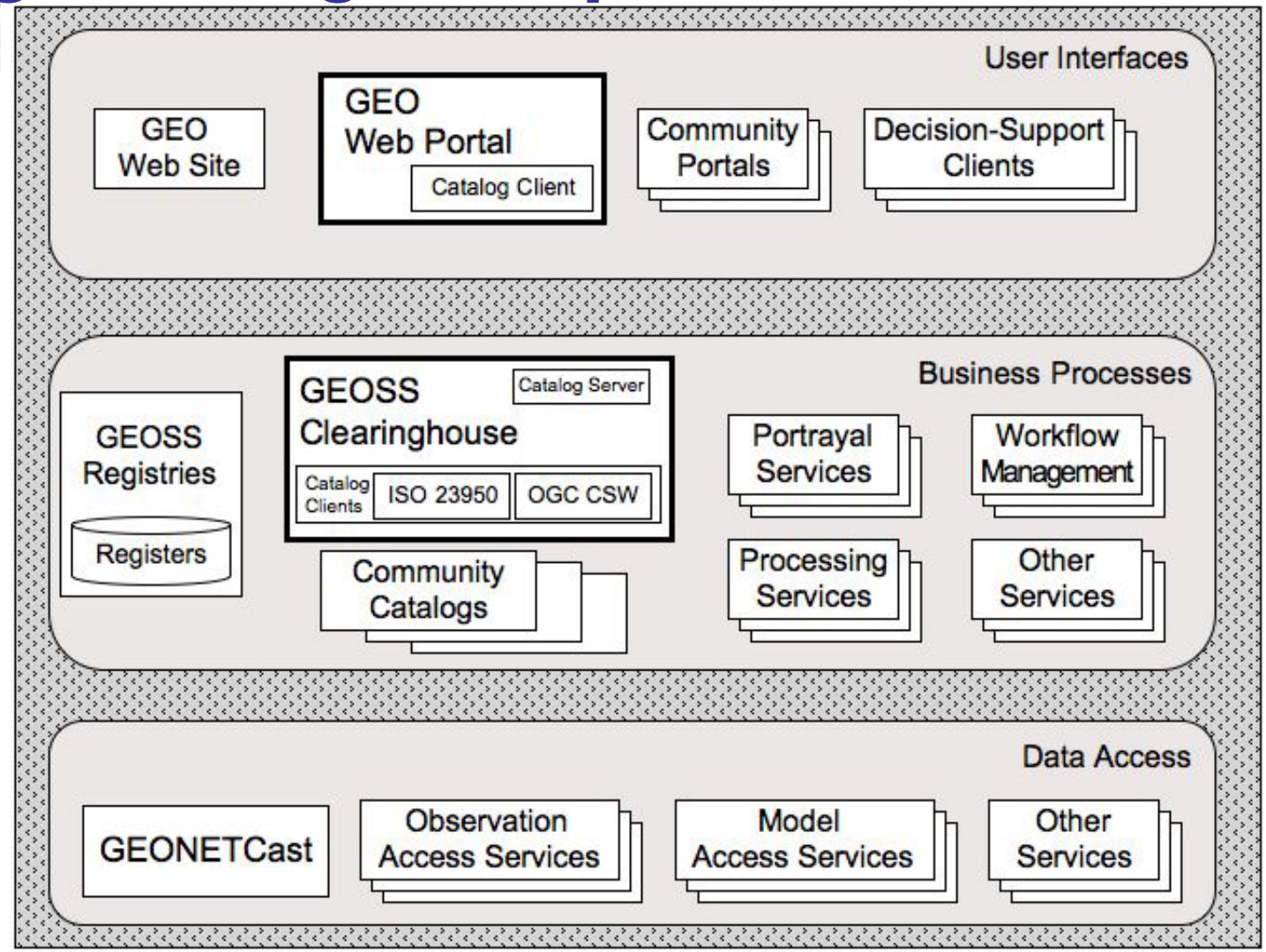


Derived from OGC Pilot Policy and Procedure
http://www.opengeospatial.org/ogc/policies/ippp

AI Pilot Milestones

- Call for Participation (CFP)
  - CFP Preparation based on RFIs — February & March
  - CFP Release — 13 April
  - CFP Responses Due — 11 May
- Pilot Kickoff meeting — 5-6 June
  - ESA-ESRIN
- Deploy, Integrate, Test 4 mo. — June to September
- Scenario Capture Workshop — 10-11 September
- Persistent Capability — After September

Engineering Viewpoint Architecture



From AI Pilot Call for Participation

argon ST
IMAGE MATTERS
Locate. Innovate.
Cranfield UNIVERSITY
HIU
HUMANITARIAN INFORMATION UNIT
U.S Department of State
hiu_info@state.gov
http://hiu.state.gov
ESONET
OGC®
Open Geospatial Consortium, Inc.
Federal Agency for Cartography and Geodesy
NOAA
F A O
FIAT PANIS
Science & Technology Facilities Council
Rutherford Appleton Laboratory
NASA
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
INCOSE
International Council on Systems Engineering
unidata
esa
USGS
science for a changing world
JAXA
Japan Aerospace Exploration Agency
ies
Institute for Environment and Sustainability
OSIRIS
ThalesAlenia
A Thales / Finmeccanica Company
Space
FederalGeographicDataCommittee
fgdc
EUROPEAN COMMISSION
DIRECTORATE-GENERAL
Joint Research Centre
КОСМІЧНЕ АГЕНТСТВО УКРАЇНИ
GBIF
GeoConnections
GéoConnexions
Mapping the future together online
Cartographions l'avenir en ligne
ESRI
COMPUSULT
THE UNIVERSITY OF TOKYO
GEOmon
Global Earth Observation and Monitoring
JPL
Jet Propulsion Laboratory
California Institute of Technology
meraka
INSTITUTE
African Advanced Institute for Information & Communications Technology
GEORGE MASON UNIVERSITY
MINES PARIS
ParisTech

AI Pilot Kickoff Workshop

- June 5&6 at ESA-ESRIN
  - ~70 people attended, 24 sessions
  - Presentations are posted: www.ogcnetwork.net/AIpilot
  - Thanks to all Session Leaders
- 10 Working Groups established
  - e-mail lists for all WGs and plenary list www.ogcnetwork.net/AIPilotLists
  - ~130 people listed on plenary list
- Weekly plenary telecon

AI Pilot Implementation Working Groups

- Architecture WG
- Clearinghouse WG
- FedEO Pilot WG
- GEO Web Portal WG

AI Pilot Implementation Working Groups

- Architecture WG
  - Doug Nebert, Michel Millot, Larry McGovern
- Clearinghouse WG
  - Josh Lieberman
- FedEO Pilot WG
  - Ingo Simonis
- GEO Web Portal WG
  - Corentin Guillo

AI Pilot Implementation Working Groups

- GEO Web Portal WG
  - 4 candidate portals
  - User evaluation process
  - Venues for user evaluation

The Workshop Series 2007
"The User and the GEOSS Architecture"

Apr-07	IEEE SoS and Signal Conferences	Hawaii, USA	SOSE and Information infrastructure for GEOSS
Jun-07	Intl Symp on RS of Environment - ISRSE	San Jose, Costa Rica	Sustainable dev through EO, Agriculture
Jul-07	IGARSS07	Barcelona, Spain	GEOSS System components
Aug-07	IPY GeoNorth	Yellowknife, Canada	Climate and biodiversity
Sep-07	AfricaGIS07	Burkina Faso	EO for water, health
Sep-07	OGC TC	Boulder, CO USA	Regional Decisions for Climate Change
Nov-07	Asian Conference on Remote Sensing	Kuala Lumpur, MY	Environment Disaster/ Tsunami

http://www.grss-ieee.org/menu.taf?menu=GEOSS&detail=GEOSSWorkshops

Scenario Working Groups

- Wildland Fires in Africa
- Ecosystems & Biodiversity - Africa
- Ecosystems & Biodiversity - Polar
- Regional Decisions for Climate Change
- Oil Spill
- Volcano

Scenario WG Leaders

- Wildland Fires in Africa
  - Ingo Simonis, OGC
- Ecosystems and Biodiversity in Africa
  - Steve Peedell, JRC
- Ecosystems and Biodiversity in Polar Regions
  - Terry Fisher, NR Canada & George Percivall, OGC
- Regional Decisions for Climate Change
  - George Percivall, OGC
- Oil Spill
  - Corentin Guillo, EADS-Astrium
- Volcano
  - Satoko Miura, JAXA

Scenario Capture Workshop

- Screen capture recordings of Scenario clients
  - EO Summit Communication Task Force
  - Participants exhibits at summit
- In advance
  - Scenario
  - Scripts: keystrokes and narration
  - Clients and servers in registry
  - Integration testing
- 10&11 September in Washington DC, in conjunction with ADC meeting

Seeking coordination with GEO UIC

- GEO Web Portal
  - Coordinate on establishing criteria for evaluation
  - Coordination on user evaluations of GEO Web Portal candidates
- AI Pilot Scenarios
  - Coordinate on development of scenarios, identification of data, etc.

Questions?

George Percivall

gpercivall@opengeospatial.org

Open Geospatial Consortium, Inc
www.opengeospatial.org